

do not explain

1-14, 19-24, 32-49 50, 51

No perimeter

square

No, is it a  $\square$ ?

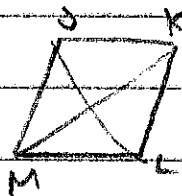
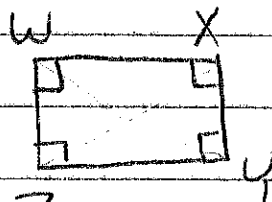
S (if a square)

A  $\square$ 

A def of Rh.

A "

S if this sq.

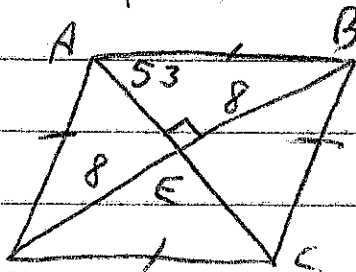
A diag. of Rh bisect  $\angle$ s9.  $\angle W \cong \angle X$  A def of Rect10.  $\overline{WX} \cong \overline{YZ}$  A  $\square$ 11.  $\overline{WX} \cong \overline{XY}$  S (if square) Z12.  $\overline{WY} \cong \overline{XZ}$  A (diag.  $\cong$  on Rect)13.  $\overline{WY} \perp \overline{XZ}$  S (if square)14.  $\angle WXZ \cong \angle YXZ$  S (if square)

19. Rect, Sq (Equiangular)

20. Sq (" + Equilateral)

21. Rhomb, Sq (diag.  $\perp$ )22. Parallelogram, Rect, Rh, Sq (opp sides  $\cong$ )

23. " " " " (diagonals bis each other)

24. Rhomb, Sq (diag. bis off  $\angle$ s)32.  $m\angle DAC = 53^\circ$ 34.  $m\angle AOC = 74^\circ$ 36.  $AE = 6.0$   $\tan 53^\circ = \frac{AE}{AD}$ (33)  $m\angle AED = 90$ (35)  $DB = 16$ (37)  $AC \approx 12.0$

$$38. m\angle SRT = 56$$

$$39. m\angle QPR = 112$$

$$40. QP = 5$$

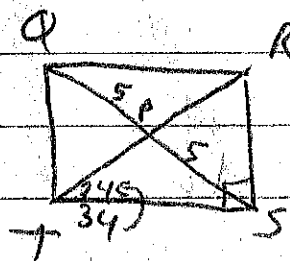
$$41. RP = 5$$

$$42. QR = 8.3$$

$$43. \angle 5, \angle 6 = RS$$

$$\cos 34 = \frac{QR}{10}$$

$$\sin 34 = \frac{RS}{10}$$



$$44. m\angle MKN = 90$$

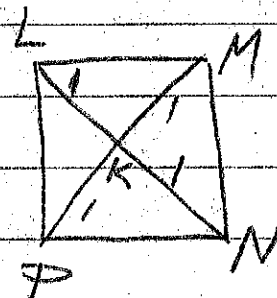
$$45. m\angle LMK = 45^\circ$$

$$46. m\angle LPK = 45^\circ$$

$$47. KN = 1$$

$$48. MP = 2$$

$$49. LP = \sqrt{2}$$



$$50. JKLM \text{ is } \square$$

$$J(-4, 2) \quad K(4, 3)$$



$$L(1, -1) \quad M(-3, -2)$$

$$\overline{KM} \quad m = \frac{3 - (-2)}{0 - (-3)} = \frac{5}{3}$$

$$d = \sqrt{25 + 9} = \sqrt{34}$$

$$\overline{JL} \quad m = \frac{2 - (-1)}{-4 - 1} = \frac{3}{-5} = -\frac{3}{5}$$

$$d = \sqrt{9 + 25} = \sqrt{34}$$

Square

diagonals  $\cong$  &  $\perp$

$$51. J(-2, 7) \quad K(7, 2)$$



$$L(-2, -3) \quad M(-11, 2)$$

$$\overline{JL} \quad m = \frac{7 - (-3)}{-2 - (-2)} = \frac{10}{0}$$

$$d = \sqrt{16 + 100} = 10$$

$$\overline{MK} \quad m = \frac{2 - 7}{-11 - 7} = \frac{-5}{-18} = \frac{5}{18}$$

$$d = 18$$

Rhombus

diagonals but not  $\cong$